

WHAT IS CLAIMED IS:

1. An internal antenna device of a portable wireless terminal comprising:
a shield plate connected to a ground provided on an inner surface portion of
the portable wireless terminal, the ground being coated with conductive material;
5 an antenna plate positioned adjacent to the inner surface portion of the
portable wireless terminal, facing the shield plate at a predetermined distance; and
a carrier interposed between the shield plate and the antenna plate.

2. The device as set forth in claim 1, wherein the shield plate is made of
conductive material, and comprises one or more fastening pieces, and fastening
10 holes formed at ends of the fastening pieces, respectively,
wherein the fastening pieces are connected to the ground.

3. The device as set forth in claim 2, further comprising boss-shaped holes
formed on the ground provided at the inner surface portion of the portable wireless
terminal,
15 wherein the fastening pieces of the shield plate engage the boss-shaped
holes.

4. The device as set forth in claim 1, further comprising a conductor,
wherein the antenna plate is integrally formed at one end of the conductor, which
extends from one side edge of the shield plate and is perpendicular thereto.

5. The device as set forth in claim 1, wherein the antenna plate is electrically connected with the shield plate through a conductor.

6. The device as set forth in claim 1, wherein the carrier is made of an insulating material.

5 7. The device as set fourth in claim 1, wherein the antenna plate improves a specific absorption ratio during operation of the portable wireless terminal.

8. An antenna device of a portable wireless terminal comprising:
an antenna device receiving recess defined on an inner surface portion
10 inside a rear case of the portable wireless terminal and having a certain depth;
a ground formed by coating a conductive material on the inner surface portion of the rear case adjacent to the antenna device receiving recess;
a shield plate installed in the antenna device receiving recess so as to be connected to the ground;
15 an antenna plate installed in the antenna device receiving recess, facing the shield plate at a predetermined distance; and
a carrier interposed between the shield plate and the antenna plate.

9. The device as set forth in claim 8, further comprising:
boss-shaped holes formed on the ground; and
20 fastening pieces formed on and extending from the shield plate so as to engage the boss-shaped holes.

10. The device as set forth in claim 8, wherein the antenna plate is electrically connected with the shield plate through a conductor.

11. The device as set forth in claim 8, further comprising a conductor extending from one side edge of the shield plate and perpendicular thereto,

5 wherein the antenna plate extends from one end of the conductor perpendicular thereto so as to face the shield plate at the predetermined distance.

12. The device as set forth in claim 11, wherein the shield plate, the conductors and the antenna plate are integrally constructed.

10 13. The device as set forth in claim 8, wherein the antenna plate improves a specific absorption ratio during operation of the portable wireless terminal.

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